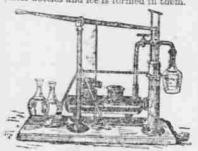
SCIENCE AND PROGRESS.

SCIENTIFIC RECREATION AND RECENT INVENTIONS.

An Instructive Experiment by Which Water Is Frozen in Vacuum-How It Is Dene-A Picture of the Apparatus Which Is Used.

An experiment is often performed by which water is frozen in a vacuum. By putting a saucer full of water under the receiver of an air pump it will first boil and then become a solid mass of ice. It is not difficult to understand the cause of this. The water beils as soon as the air is removed, but in order to pass from the liquid to the gaseous state without the assistance of exterior heat it gives out heat to the surroundings, and in so doing becomes ice itself. This fact Mr. Carre made use of in the apparatus shown in the cut. A small pump creates a vacuum in the water bottles and ice is formed in them.



APPARATUS FOR FRUEZING WATER IN BOT-

The bottle full of water is joined to the air pump by a tube, and after a few strokes the water is seen in challition. The water water is seen in ebullition. The vapor thus disengaged traverses an intermediate reservoir, filled with sulphurle acid, which absorbs it, and immediately condenses it producing intense cold. In the center of the liquid remaining in the bottle some needles of ice will be seen, which grow rapidly, and after a few more strokes of the pump the water will be transformed into a mass of lee. This is very easy of accomplishment, and in less than a minute

Interesting Facts on Lightning Strokes. Herr Kastner has carried on for a period of twenty-six years a careful record of observations on lightning strokes in central Germany, from which it appears that last year the number of cases was 1,145, an increase of 120 per cont. The starting point of all thunder storm paths he finds to be in hills, and in their course the woodless districts and flat country, the river valleys and low member ground about lakes so specially liable, while the wooded and hilly parts generally escape. The hottest months (June and especially July) and the hottest hours of the day, or those immediately folowing them (3 to 4 p. m.), show the most lightning strokes.

Inefficiency of Sand Filters.

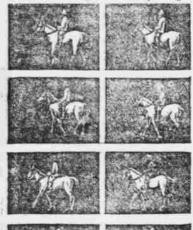
Drs. Frankel and Piefke, of Berlin, have recently made an exhaustive study on the filtration of drinking water through saud. Their experiments conclusively prove, says Medical News, that the danger of infection from impure water is only slightly reduced by filtration through sand, bacteria passing through at all times, but in larger numbers just after the filter has been cleaned and again after it has been in use

Tempering Small Steel Parts.

A correspondent in Horological Review Bays: I temper pinions and other small steel parts in the following simple manner. I take a thin piece of copper, say from an old dist, scrape soap upon it, bend it together and lay the article between: I then end the sheet firmly together, make it red hot upon a coal and afterward anneal it is oil. Not even the most delicate object will warn in this manner.

Recent Invention in Photography. Since the introduction of the rapid dry plates which have made instantaneous photography a possibility many attempts have been made to fix the successive positions movements, and with much success. The results obtained have been remarkable, the attitudes caught by the sensitive plate being so extraordinary and apparently unnatural that, without the evidence afforded by the photographs, one would have been fustified in saving that they were entirely

the result of the artist's imagination. Heretofore the best of these photographs have been secured by placing a number of cameras side by side, so arranged that the exposure was made by the man, the or other animal itself as it moved past them. M. Marey, of France, has recently invented an apparatus by which with a single camera, as many as fifty successive exposures of a moving object may be taken in a single second. Instead of glass plates be uses a sensitive film which is rolled from one cylinder to another, stopping in the focus of the objective just long enough to receive the image, and then passing on



SUCCESSIVE EXPOSURES WITH A SINGLE CAMERA.

to give place to the next one. The particulars of the mechanism are not given in Nature, from which the illustration is a reprint, but the results as shown by it are very fine and indicate a remarkable amount echanical skill and ingenuity.

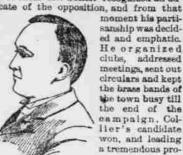
Popular Science News explains that the figures represent the positions taken by a horse and rider as they moved past the camera, commencing at the upper right hand corner and following each line from right to left, in a reverse direction to the lines of a printed page. If M. Marcy's apparatns proves to be as practicable as is claimed it will undoubtedly be of great value and importance to both science and

A FIGHT FOR FREEDOM.

Lawyer Collier Wins His Way Out of Madhouse.

Frank Collier has been declared sane. No more pitturesque and sensational per-ton lives in the city of Chicago than this same Mr. Collier. A lawyer by profession he has always been noted for that quality of aggressiveness that never accepts de-feat, and to this combative instinct he has owed many noted legal victories. A year or so ago he went into politics on a per-sonal issue—not as a candidate, but as the chief backer of a candidate.

His interest in his menors success re-mained of a mild nature until one night ruffians assaulted him on the street. one of them Mr. Collier recognized an ad vocate of the opposition, and from that



cession of adher-FRANK COLLIER. ents the victorious lawyer rode down to the Desplaines street police station, and calling out Capt. Aldrich, one of his opponents, shook a sheaf of bank notes in his face, crying, "Bet you \$19,000 I have your head in thirty Before the time specified had elapsed Aldrich was no longer a member

Then came the Cronin murder, and in trying to solve the tangle of that terrible ton Globe. tragedy the excitable attorney went mad. For months be was confined in the insane | the special comasylum at Kankakee. The other day he petitioned for freedom on the ground that he had regained his reason and the case came up for hearing before Judge Collins, In 1883 he was at Chicago. ColHer acted as his own at-torney. He examined scores of witnesses, and kept the big audiences constantly laughing or wondering at his sharp witticisms and keen orntorical thrusts. Here is the death of Judge an example: When Judge Barnum was on R. E. Cowan, in the stand he said: "I think you are as rational now as you over were "That is a rather dubious compliment,"

retorted Collier. "Well, you were always a little peculiar and erratic.

"I agree with you. I caused you to be appointed special counsel of the board of education at a salary of \$5,000 a year." On setting the petitioner at liberty Upon the appointment of R. L. C. White Judge Collins qualified his decision by the condition that Collier should leave town his intrepid zeal for the order and his ener-for thirty days and take a good rest. To getic way of doing what was needed to be for thirty days and take a good rest. To

A Snake by a Dying Man's Bed. There is not much chance of the present son furnishing a more realistic and hair raising snake story than that recently set affort from Mayaville, Ky. The tale goes that a hune smake crawled into the door of the room of Philip Friend, Jr., a oung farmer north of there, one day not ng ago. Friend had been delirious from typhoid fever for several days. In his ravings he kept repeating, "The evil serpent will get me sure." When the enormous eptile entered the room the women watchg at the sick man's bedside jumped upon chairs and screamed for help. Young Friend instantly aroused from his delirium and extending his arms toward the snake, which lay in the centre of the roon with gracefully uplifted head, screamed: "Take me, snake! Take me!" fell back and expired. The snake then turned about and ran out the door, disappearing under the house before he could be killed. The reptile was a peculiar one for those parts. It was about 6 feet long, 3 inches in thick es at its largest point and very graceful It was marked from head to tail with bright yellow, blue, red and green stripes of perfect proportions. Its head her solid business enterprises the chances was rather large and its eyes very express It made no vicious movements, but crawled directly from the door to near the bedside, where it raised its head slowly nearly as high as the bed. The family were so affected by the sad scene that they made no attempt to find it under the house, and would not have killed the rep-

An Extremely Primitive Cannon Among the trophies of Germany's pas triumphs that grace the grounds which surround the Marine academy building at Kiel none is of more interest than a cannon made by natives of Africa and capt



AN AFRICAN PIECE OF DRONANCE. ured from them in a battle near Pangani It has not the slightest contrivance for aiming and its caliber is very small. The carriage is made of wood. The wheels are and are fastened to the wooden axles with long rusty nails. The piece of ordnance apparently would prove more dangerous

to its owners than the enemy. So many people utterly disappear from the face of the earth every year leaving no clew behind that some persons are begin ning to give credence to the views of a French author who advances the theory that death is occasionally actual dissolu tion. It is a disease, the writer referred to maintains, but one from which there is no uffering; there is no illness or warning of the approaching end; the patient suddenly ceases to exist and as suddenly fades from sight. He says he has actually witnessed this phenomenon, and that he was at time walking with a friend who suddenly vanished and has never reappeared. With such conclusive testimony he has little doubt that many persons searched for have actually melted into thin air. He further peared a strong sulphurous odor pervaded

the atmosphere. A Salvationist Held for Horse Stealing. George F. Abbott, of Brooklyn, belongs to the Salvation Army. He also keeps funk shop. The other day the police raid ed his place and took a peep at the stable in the rear. They secured ten stolen horses. and several hundreds of dollars' worth of harness. Within five hours owners for eight of the animals had been found, is hardly necessary to add that Mr. Abbott

Escaped from the Pillory. Mrs. Broadbent-Have you felt slippers, young man?
Very Young Salesman—Not since I've
been boardin' away from home, marm.—

A Breakfast Unpleasantness. "Marriage is indeed a lottery," sighed

Tomnoddy, after a tiff with his wife. "And we both drew prizes," returned the "Ah?" said T., somewhat mollified.

"Yes. You got a capital prize and I took the booby."—Harper's Bazar.

"What sort of a restaurant is this, waiter?" he asked the first of that exclusive set that deigned to approach. "Well, sir, I know one man that's been coming here steady for a month and he's good sister's possession. As a matter of living yet."-Philadelphia Times.

Have you noticed in grumpy purveyors of ice-It don't matter where you have seen 'em That the driver in front and the man at the rear Have always a coolness between 'em?

Right This Way. Sufferer-I called doctor, to see if you

could relieve me of this excruciating pain from a bad tooth. Dentist-Certainly, madam. Step right into my drawing room.-Chicago Times.

MYSTIC MISCELLANY.

GOSSIP OF ALL KINDS FROM SECRET SOCIETY LODGE ROOMS.

Something About William B. Kennedy, Supreme Secretary of the Endowment Rank, Knights of Pythias-His Career and Work in the Order-Other Items.

William B. Kennedy, the present supreme secretary of the endowment rank Knights of Pythias, was born in Hamilton county, O., educated at Farmer's college, near Cincinnati, and was for many years engaged in the commission business in that city. He joined Cincinnati lodge, No. 2, K. of P., at its second meeting, was a charter member of the grand lodge and its first grand vice chancellor, and one of the first representatives to the supreme lodge. He represented his jurisdiction at the sessions of 1870, 1871, 1872, 1878 and 1880. At the session of 1872 he was elected supreme guide (now supreme master at arms), and served in 1873 and 1874, says The Bos-

In 1878 Bro. Kennedy was a member of mittee to prepare elected G. K. R. S. of Ohio, and served in that capacity BIX Vears. July, 1887, he was appointed to temcharge of the office of supreme keeper WILLIAM B. RENNEDT.

of records and seal and supreme secretary of the endowment rank, and discharged the manifold duties of these most responsible offices with signal ability and success. done caused him to be continued as supresecretary for the unexpired term, and at the supreme lodge session in Cincinnati he was unanimously elected supreme secretary of the endowment rank. That the selection was a fitting one is evidenced by the success attending his labors in that de-partment. The rank never had a more popular, faithful and efficient officer.

Bro. Kennedy has also been a prominent Odd Fellow, being a P. G. P. and P. G. R. in that order. He represented Ohio six years in the sovereign grand lodge of that organ ization. He is a man of irreproachable character and a knight worthy the respect and confidence of every member of the order. He has of late years given almo his entire attention to the advancement of Pythian knighthood.

KNIGHTS OF HONOR.

St. Louis and the Supreme Lodge-Gen-

eral Gossip. Says The St. Louis Post-Dispatch: St. Louis has again secured the supreme lodge headquarters without any opposition, and from the expressions made by the supreme lodge representatives generally concerning St. Louis city, her hospitable citizens and are that for years to come the headquarters will remain in Missouri. This fact alone should stimulate the various lodges of the order in this city and state to increase the sembership by securing the application of the best citizens, and to encourage the holding of more open meetings when the excellencies of the order may be shown to invited guests.

Although the proposition to reduce the age limit to 45 years was defeated in the late session of the supreme lodge, there is a strong probability that the question will gain present itself. Were the matter left the subordinate lodges it would meet with an emphatic condemnation. All that is necessary to show the value of the older embers is to direct attention to the June ircular, which contains a list of 153 eaths, fourteen of whom joined the order between 20 and 30 years of age, and preisely the same number between 50 and 55. rmer had an average duration of nonths, and averaged payments of \$145.22, while the older members had an average of ten years and one month and payments f \$640.17. The value of the latter class in the payment of assessments was more than four to one as compared with the former.

Boston Globe. The death rate in the Knights of Hones creased during the year, it being 12.6 per 1,000 in 1889 against 13.5 in 1888.

It is said of a medical examiner of one of the lodges that in filling out a certificate he inadvertently wrote his name in the blank space reserved for "cause of

In artistic lewelry a crescent of white onyx with flying doves carrying garlands cut in relief is set in a narrow rim of diamonds. At the upper edge there is a little cluster of diamond butterflies.

A square cut opal makes the center of an antique brooch by surrounding it with flowering forms in diamonds having an emerald placed at various points of intersection. The color effect is beautiful.

Some barbaric daggers for the hair are among the newest pieces of jewely. They are of yellow gold with tasty but appro priate gold beaters' work, and in the gold are sunk large yellow topazes, ruby spinelle and beryls.

One of the most beautiful necklaces is mposed of two rows of diamonds set in gold, from which swing fine gold chain stoons in alternate lengths-long and short-from each of which depends a pale lue sapphire.

A very fine necklace is made up of sectional pieces in each of which is a large pearl surrounded by diamonds; in the pendants and clasps are separate pearls of such size and purity that any one of them would be a coveted object.

The most ingenious adaptation of jew elry to different ends is a bracelet composed of numerous strands of fine gold and clasped with diamonds, rubies pearls, which can be converted into a necklace with the claspe as a pendant.

Tiny screw earrings are affected by oung women. Small moon stones set diamondwise with tiny rubles, turquoises er diamonds are ween. Semetimes two tiny stones only are used, such as turquoise and diamond, ruby and diamond.-

Stole a Gown to Be Baptized In. There was a colored baptising in Atlanta he other day, but one of the converts was nissing. When the committee went to sak her up they found her in the station house. She had "borrowed" a white dress to be baptized to, but by'ore she had occasion to wear it the owner missed it, took out a search warrant and found it in the course her arrest followed, and the church is now minus one member. - Atlanta

The Mystery Explained.

Harry-So poor Jack is dead! Cut down in the prime of life by dyspecial. Strange hings happen these days! Larry—No mystery at all.

Harry-What! Wasn't he a robust man when, a year ago, he led a lavely young Larry-Just so. And warn't she a teacher of a class in fancy cooking!-Pitteburg GIVING 18 LIVING

Is it worth while as the years go by
And are lost in eternity's fathomics: deep,
To grasp all the ills that about us may lie—
To crush the rose leaf and its briar stem keep?
The stars shine forever in beauty o'erhead,
Their circles will glow when ages have field,
And roses and thorns shall toersther its deed And roses and thorns shall together lie dead.

Is it worth while to keep back the words That a dear heart in slience is longing to hear! When the dark rays of shadowland lie just beyond And the time for a parting doth swiftly draw

Wait not, lest in waiting your life should grow old The heart that was aching grow puls And the love that you cherished should never be The sun hoardeth not his largess of light,

The lily's soft fragrance is breathed to the s'r;

The brook and the river in gladness unite

And give to the sea a sacrifice rare. day, And withhold not the treasures that gladden life's

For giving is living—and who shall say may!
—Young Woman's Magazine

Making the Deaf to Hear.

As a rule mutes are born deaf, but some times severe diseases in infancy destroy completely the sense of hearing. Under these circumstances even a partial recovery of hearing is extremely rare. A girl who is now 19 completely lost her hearing when nant. 8 years old through an attack of cerebro spinal meningitis, and in consequence was brought up as a deaf mute, attending until recently the school of the deaf and dumb asylum at Fordham. Coming to New York she was placed under treatment with slight hopes of benefit. Her physicians certained that the delicate, nervous ap-paratus of the internal ear was still sound. else the case would have been hopeless Under appropriate treatment, combined with dilation of the middle ear by infistion, improvement was soon noticed. In a month the young woman heard the ticking of a watch held twenty inches away and conversation at a distance of ten feet, and then she began learning how to talk. A month later she could hear a watch at a distance of five feet and conversation across the room.—New York Letter.

Father Graham, as everybody in the village called him, was one of the old fashioned gentlemen of whom there are so few great, so good and so active was he. One bit of wisdom which he gave to a young

badly insuited, and came to Father Gra-ham full of angry indignation, declaring The Minn that he was going at once to demand an "My dear boy," Father Graham said,

take a word of advice from an old man who loves peace: An insuit is like mud; it will brush off much better when it is dry.

Wait a little, till you and he are both cool, and the thing is easily mended. If you go

came to beg forgiveness.-Youth's Com-

A Tender Association. Dr. Jeter, when he became worked up in sreaching and was the most eloquent, had a habit of putting a whine into his voice which as nearly resembled tears in the voice as possible. Once when the tears were especially strong during a sermon the good old dector noticed a lady weeping in the audience. As soon as the services were over he hastened to overtake the lady and ask her what part of the divine word touched her to tears.

"'Twasn't that," said the lady,
"Have you had some deep affliction in
losing family friends?" said the doctor. "Twasn't that neither," said the lady.

"Well, what was it?" asked the doctor.
"Well, doctor, we had a mule, and it was a good one, too. We liked that mule, and he died, and while you were preaching your voice sounded so much like that mule's that I couldn't help crying."—
Providence Telegram Providence Telegram.

It has been contended that the tubercle cillus is killed by a temperature of are keeping up their good work. continuing the experiment an hour and a any of the cities of its circuit ficiently to destroy the germs imbedded in

book for a holiday present. One of the first volumes shown her was the "Last Louf," a poem which the autocrat prizes as one of his dearest.

Who is this by?" asked the customer. "Dr. Holmes. "The pictures are very nice. Did he draw

"Oh, no; he wrote the poetry." "The poetry! Is that all!"
The clerk looked at the doctor, who had

overheard the dialogue and was enjoying a quiet giggle. When the lady went out the doctor repeated very comically, "The poetry! Is that all?"-Beston Globe.

Few Deaths from Lightning.

Out of every 2,500 deaths in the United States one is caused by lightning. This ratio has not varied materially in the last twenty years, showing that lightning rods are not of much use so long as persons are eareless about exposing themselves. During a thunderstorm no one should sit or stand near an open door or window, as the men who have lung contracts or who are current of warm air is a better conductor for the electric finid than the cold air out | playside.—Bosten Globe.

Came Over with the Conqueror Mrs. Michigan Avenue (of Chicago)—I rould like you to engrave my coat of arms on the seal of this ring. Jeweler-Yes, madam. What does it consist of?

Mrs. Michigan Avenue-Ah! I leave the selection entirely to you only put a lot of lions in it and a control or two.

Attempted Blackmail and Murder.

The discreditable pastime of "mashing sometimes ends disastrously to the charmer, as witness the terrible fate of David Moore one evening recently at Ottawa, Ilia. Moore was a traveling salesman for a lumber house, and while at Ottawa became acquainted with the wife of croling agent. He still keeps in fair prac-a laborer named Ford. She agreed to a tice for the feats which risele him famous. rendezvous in Allen park after sundown and the two separated. Mrs. Ford, so i appears, arranged matters with her hus nd to blackmail Moore. At any rate, when the traveling man and the woman met that evening Ford and two companions pounced down upon the couple and demanded money. Moore refused to disburse, and Ford smashed his skull with a coupling pin. Then the murderer and his accomplices, including the woman, rifled the corpse of a gold watch, several dia mends and \$1,100 in cast. The body was discovered the next morning, and by night all of the accused parties had been placed

W. I. Harris Writes About the Western Baseball League.

GOOD PLAYERS AND BIG CROWDS.

St. Paul is the Only Weak Spot in the Aggregation, and New Capital Will Soon Add Strength There-Some Queer Nicknames-The Fight of the Big Leagues.

Ten thousand people attended the two call games at Minneapolis on Decoration day, 4,000 one game at Ormha and 5,000 two games at Denver. In all, 19,000. Had it not rained at Kansas City the total would have been increased to 25,000. And these games were played by the Western association, a minor league, so called, but surely a good one to draw within a couple of thousand as many people to five games as the American association did to seven. One of the causes of this good attendance was the closeness of the fight for the pen-

The teams appear to be about as evenly balanced as it is possible to have them. The circuit consists of Denver, Colo.; Des Moines, Ia.; Kanans City, Mo.; Milwaukee, Wis.; Minneapolis, Minn.; Omaha, Neb.; Sioux City, Ia., and St. Paul, Minu. are eight teams representing five states, and not one has won less than ten games

or more than twenty at this writing By the way, they have queer nicknames for the western clubs. The Des Maines team are spoken of as the Hawkeyes, the Sioux Citys are designated Corn Huskers; the Minneapolis men are dubbed the Mil-lers; the Milwaukees are called the Brewers; the St. Pauls are rather appropriately termed the Apostles; they call the Omaha team the Omahogs, and the Denvers are styled the Mountaineers. The only team which has no set name is the Kansas Citys. One bright young writer has styled them the hot weather players. When they were in the National league they were called the Cowboys in the east. From my recollec-tions of them at that time and the usual left now. He was beloved by every one, luck of visiting teams to Kansas City I and his influence in the little town was suggest to my western brethren, if they really need a name, to designate them as the Petrels, for they have a strong resemfriend is well worth noting.

A young man of the village had been as rainy weather has always followed-in

The Minneapolis team has Ryn, Hengle, Miller and O'Day for an infield, with Carroll, Foster and Minnehan for an outfield. Myers is their best catcher, with Dugdale to help him out. The pitchers are Harknow it will only be to quarrel."

It is pleasant to be able to add that the and perhaps as great an outfielder as ever young man took his advice, and before the played in the League: O'Day, of last sen-next day was done the insulting person son's Lowells; Hengle, once an umpire: son's Lowells; Hengle, once an umpire: Hudson, late of the Browns, of St. Louis, and Shreve, of Indianapolis and Detroit. Mitchell, I think, is the young man who had a brief trial with the Phillies. team is under the management of Sam Morton, as shrewd and able a man as the west has in the minor league baseball business. Those who are strange to eastern people are all classed as good men.

There are many good men on the other teams. Among those whose names are known everywhere are Poorman, Dalrym-ple, Shoch, Alberts and Krieg, of the Milwaukees: Flannigan, Dolan, Fusselback and McCullar, of Des Moines; Will White, McGlene, McClellan and Dave Rowe, of Denver, Burns, Hoover, Steams, Swartzel, Carpenter, Manning and Elmer Smith, of Kansas City: Cleveland and Fanning, cf Omaha; Cline and Kappel, of Sioux City, All of these men are playing good ball and the association apparently possesses some first class pitching talent. Among the pitchers little known in the east, who have first class ability, are Thornton, of Milwaukee; Kennedy, of Denver; Devlin, of Sloux City; Hart and Sommer, of Des Moines. It is noticeable that Fanning, El-mer Smith, Shreve, Mitchell and Swartzel weather, health, disappentments, annoy-

41 degs. C. (105 degs. F.), and that breathing heated air should arrest conspot in the Western association, and that is Dr. Ernst Schrwald, of Jena, st St Paul, but some new capital has been has made some interesting experiments on interested and it is now expected that the dogs to test this theory. He concludes team will play the season out. From all that the air breathed may be gradually appearances the association will have the raised from 50 dega to 350 degs. C.; most prosperous sesson of its career from but that the temperature of lungs cannot both a playing and financial standpoint, as be increased more than I deg , even by the baseball war does not seem to affect

half. It is not proved that the tubercle A friend asked me a few days ago: bacilli may be destroyed at a temperature "When both sides are weary of losing money how will the conflict between body heat, but even if so it appears that League and Brotherhood be settled!" This lung tissue cannot be heated suf- is a question that is agitating the minds of a great many people, and none more so than the magnates of the two leagues. Both are already tired of losing money. And both are nearly ready to make a set Dr. Holmes was in a city bookstore one tlement. Pride and money will probably day when a woman came in to purchase a carry them through the season. What then? Does anybody know? Can anybody name the result?

Judging from present indications any prediction would necessarily point to a compromise of some sort. It is surely either a case of smalgrenation, compromise or quit. It is a wise man who could now point out which one it will be. The loaner will be large on both sides. One or two things, however, seem to be certain. The Brotherhood will have to quit in Buffaio and in Brooklyn, and the League in Pittsburg, if there is a second year of the war. There is small doubt also that the null players of '91, '92 and '98 will get smaller salaries than the players of '89 and '20. The war has proved that there are as good fish in the baseball sen as ever came out of it, and plenty of them, too. Whether there is one league or two in 1860-1 the woods will be full of capable ball players, and there will be so many of them that a salary reduction must necessarily follow, except in the cases of stockholders in the clubs for which they

taken which will at once bring the professional game up again to the notch of pros perity it occupied in 1888-9, and that is an amalgamation of the two leagues into on which shall be run under a national agree ment and under the rules of the National agua. A compromise arrangement, with a different division of territory, new names for Players' league clubs and a non-con flicting schedule may effect the same re sult, but it would take about four times as long to bring it about.

Daniel Canary, who has electrified spec tators all through America and Canada with his fancy bicycling trips, has given up performing and is now traveling as a croling agent. He still keeps in fair prac-

Humbling the Haughty Janitor. A little girl whose parents recently came from the country to live in a big New York flat house was wofully disappointed to learn that her pet dog Fido had been left behind with a neighbor because the haugh-ty janitor would not allow dogs to be kept his castle by any of his wretched subeets. Unlike the other children in the flat house, she never learned to humble herself before the awful dignity of this magnate, but always stuck her tongue out at him to show that she was just as "high toned" as be. Consequently the jamiter meditated

y and told him that an uncle had give her a dear little pug dog and begged that she might be allowed to keep it in her fair he fairly reared with righteous indigna-tion and demanded its instant ejection. She assured him that it would not distur anybody, that it would not be allowed to wander in the halls, and that it would bite no one in the flat. He was inexorable, and

glad of the chance to be so. The child began to cry, and all the other children in the flat house gathered around to hear the result. "Well, you'll have to take him away yourself then," she sobb "I never could do it." The man was only too willing, and up the stairs he started in pempous haste, followed by all the other children, awestruck at the retribution that had fallen on the only child that has ever dared to "cheek" the jantter. The tearful child opened the door of her father sitting room, and there on a mat by the fireniace lay the decrest little pur dog sleep, with a bright little ribbon aroun his throat. The little owner threw herself in a paroxysm of tears on a sofa, the he

other children watched from the hall. Quick as a flash the great man swoope on the little dog and raised it from the floor. A squeal of laughter came from the the hall and the big fellow folded his ears The dog was terra cotta, and as natural

less janiter advanced upon the dog, and the

as life. - New York Tribune.

Different Einds of Frogs.

"The eggs of the bullfrog are laid late in May, while those of the common frog are hatched in March or April. Much, however, depends on the weather. At that time you can hear them croak. You can always tell the male by the sound of his voice. As you approach you will hear his familiar r-r-rum, r-rum. The female veice is not nearly so strong as that of her mate Their faculties of hearing are scuta. They discern the sound of approaching footsteps at a great distance, and after giving the alarm remain silent.

They lay their eggs near the edge of the pond, if possible among the grasses that line it. The eggs rise immediately to the surface. The frogs separate then, and if the weather is genial the eggs are hatched in the course of about fourteen days. They first appear like a pin with a large Tadpoles have no legs, the body tagin to appear, the tail being gradually ab- twist known to anglers the artisan occasionally, although capable of remain-

On each side of the neck of the male is tance wonderful for creatures of their size. of the gut. noise is like the clauging of a hammer on in New York World

The Italians have a pretty phrase to express that fine kind of tact which is indeendent of education. They call it "the intellect of love," and they have crystallized real, but also one of the most potent, characteristics of human nature. Not the most liberal education gives this intellect of love where the musterials have been denied by nature; not the most restricted range of one to three feet long. They cost from 30 knowledge desirons it where it is there by the constitution of things.

are as slow to take offense as to give it. It is termed the "St. Lawrence gang." It They have none of that prickly heat of is highly esteemed because of the minnow temperament which flushes out into a lives longer than on any other gang, and moral eruption at the least contrariety of because it is the essiest gang on which a circumstances. They make allowances for minnow can be placed. Furthermore, it weather, health, disautowntments, annoy, does not many away the old and wary felances, mlsunderstandings, and they give the benefit of the doubt on the charitable four. Some angiers use three swivels on side whenever it is possible to frame a the end of the gimp, and this course pre-doubt at all. They never quarrel. Even if vents kinking and accasing of the gimp things go hadly, as by reason of malice and and the less of the fish. the best in the world, they suffer quietly and do not make bad worse. New York

Joseph Miller's Lonely Home All alone, with bimself as his only company, up among the high cillis just outside the town of Oakland, Cal., Josquin Miller, the post of the Sterras, is passing his days. cently wrote to a friend who wanted to absolutely nothing but contipedes, scor-pions and the tarantula, and they're not the best company for a city bred man, for whatever they put their fest on they poia fence, and open in a great while I write.

and when I want you and the rest of the world PU send,"-Philadelphia Press.

Keep away from me; stay where you are,

on an eccentric New Yorker who corebirth to parconize. He made deliberate One of the most popular weakfish gangs preparation for killing himself, and sent a was adopted from a gang sometimes used he ambulance entrance to the New York | only in having a float painted red floating:

from a wife's faithformers to her marriage being divided at its further end into two yows. The other morning, while craned arms. One arm is short and one long, so jealousy, Joseph Bencher shot and mor- that both books will not come together. wounded Dennis Crowley as the lat- New York Times. ter was walking along one of the streets of the night before obtained ocular proof of his victim's criminality, and chose to appeal to the pistol instead of the law for

Called Her a Jerabel.

a suit new pending before the ennerior our at San Francisco Mrs. Anna J. Johnson, a healing evangelist from New York from Dr. John Alexander Dowie, of Melbourne, also a healing evangulist. In her complaint Mrs.

that the Austrafalse and acandalus words a fraud, an impostor and a rouble arose at a delivered by the doctor, who naw fit to "expose"

the audience, and or othered his. A great hubbula followed already mentioned and a split in the caust PRACTICAL FISHING.

GANGS" WITH WHICH FISHERMEN WORK MOST EFFECTIVELY.

erous Devices for Killing Big Fish Speedily and Surely-How to Construct

a "Gang" Some of the Various Kinds

of Tackle Used in Deep Water Pishing. For the practical angler who goes fishing catch fish and not with the idea that the the must have the biggest possible chance get away and the angier the least posible chance to capture his prey, "gaogs of cols" are used and are coming more into e every day. Their use is justified by a consideration that the ocean and the hakes comprise a large territory, and at ilan are comparatively difficult to take, that the wise angler multiplies his notes of a catch by multiplying the mber of his hooks. In gang fishing the oks must be as widely separated as posle in order that the balt may be swung tound and cover as much space in the rater as possible and attract the notice of the fish.

Gauge are used in both salt-and-fresh rater fishing. In salt water fishing they ire called "separaters," because the re kept as far apart as possible. In fresh fishing two styles are used, minnow runs and games of flies. Minnow games re in use in angling for trout, black bess, se and pickerel. If the reader should nce to enter the manufactory of a gangsker with the notion of making a gang The expert determines first whether innow gang is to be made up of hooks and en gimp or on gut. If on gut it ast be either on single or double gut, the ngle gut being intended for trout or small nek bass and double gut for large black ... English white silkheart gimp is used pike and pickerel, though some anglers in troble twisted mit.

HOW TO MAKE A GANG. The expect takes the end of the gut or gimp between the thumb and fingers of his left hand, and with his right hand aranges three hooks at the end of the line. When they are placed at equal distances apart, so that the points of the hooks form with waxed silk, first laying the end of the pers into a tail, giving it a fishlike form.

The mouth is a horuy leak which falls off—then winding the silk over and over after. when it becomes a frog. The hind legs the fashion of a thread on a spool. After grow first, and afterward the fore legs be-They live exclusively in the water, ures off an inch or so of the line and binds but the mature free visits the pend only on three more hooks in a similar way. Afterward he measures off an inch more ing long immersed, but always preferring and distens a single book on the gut. This hook is called the lip hook. It is so called because it is placed on the gut above the a delicate membrane, which when they game, and the minnow is hooked to it croak becomes induced with air. The through the lip. The whippings are finally greater proportionate length and strength | conted with varnish, and the gang is read; of the hind legs canbies them to loap a dis- to use after fastening a swivel at the en-

The Seth Green gang, so named from the to all others in the world. In Rio Janerio inventor, or at least, as that is disputed, they have a species called the blacksmith the great advocate of artificial propagation frog, which croaks so senerously that the of fish, is the simplest of gangs, being made an anvil. The intermingling voices of got from six inches to a foot long, with a other kinds resemble the lowing of cattle swivel. It is used for brook trout or small at a distance. The freg in Peru has no- black bass, and it costs twenty-five cents quired the name of the augarmiller, be at tackle stores. For black been fishing, cause its voice has a grating sound like where the fish run large, it is customary that produced by a sugar mill.—Interview to use two or three treble hooks and a lip hook, with a very stont gut about three courts. For large black bear, lake trouber minnow going with a patent treble hook single or double gut. They can be used for trolling or still fishing.
MANY HINDS OF TACKLE.

or three treble books and I'm book are used on treble twisted gut or silver gimp from People who have this intellect of love the Thousand Islands, and for that reason it is termed the "St. Lawrence gang." It loses by a dangling line of books in the the end of the simp, and this course pro-

representation that do sometimes with base and pilet penth a deadly gang is com-In trolling for black bass, perch, mele posed of a nine foot single or double gut leader and four files known as Seth Green's favorites. For the taff or stretcher fly a "Seth Green" is trad, for the first dropper a "Governor Alvani," for the second dropper a "Gricaly King" and for the upper dropper a "Laka George" Forthe "Laka George" drapper a live minnor is often used with a "Seth Green gang?"

In sait water fishing a gang offer very popular has long sines been discarded by construction. It consisted of two pieces of of a circle. These wires were fastened toon. But I like it. I just turn the rocks gether in such a way that when in use they were pulled out to form nearly a half circle. The other code were formed into loops, and from each end a gut or gimp ler was suspended, the leader our or short according to the double of the water. It was suspended from the center, and swivel was constructed in the top so Ended an Escentrio Life. Chief the apparatus could revelve when a "Patriot" Gibson and "Old Flag" Gibson fish took the hook on one of the lines. ere the appellations bestowed for years. From the center below was suspended a load sinker. This gang was superasded by He once kept a saloon at the corner of furthermore, the waves feelicked, and it West Fourth street and Eighth avenue, was not certain whether the fisherman had which, he announced in a circular, he a fish or not, and the beliefing of the line

allet through his brain while standing at in black have fishing, and differs from it on the water. Its simplicity is its great merit. The fishing ifne is passed through two erea of a three armed swivel. Then a Another bloody tragedy has resulted shell is fastened to the third sys, the smell

Economical July Cupa-

Did any one ever try putting up fally in egg shelia? It is so taken to turn the jelly out on a gime dish molded this way, espe-cially for a small family when they do not want to open a large giam. I open the eggs at the arnall end, just large emough to get this substances out; weak the stell dry. For a holder for these shells I take a paste-board box or top and out lates in them to nales the shells fit; not them to and fill. shells can be saved a long with in advance of jelly making. - Cor. Allanta Con stitutios.

Corpet buyers of small messes will do rell to reasonber that small patterns are nest economical, for the reason that nothog need be lest to matching figures. When aken from the floor of a rouns a fine figand Branch may be used for stair cor-

The only school for male norses in the country is in connection with Believas decical college, and he superintendent is a women, Mrs. O. S. Willard, bereif a stand the Ballevon School for New

Afraid It Would Fulley Him.

Waiter (to diner)-Excuse me, sir; but whistling is not allowed in this restaurant. Diner-Pm con disturbing any one, am If
Watter-No, air; but that here lot of
though we got in he very sensitive. Judge.